

Figure 1. In vivo DA Release From Striatum Using Microdialysis.
 Values are mean \pm S.E.M. (n=6-12). * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$ vs. saline-treated group,
 † $P < 0.05$, †† $P < 0.001$ vs. d-Amphetamine (3 mg/kg i.p.) group

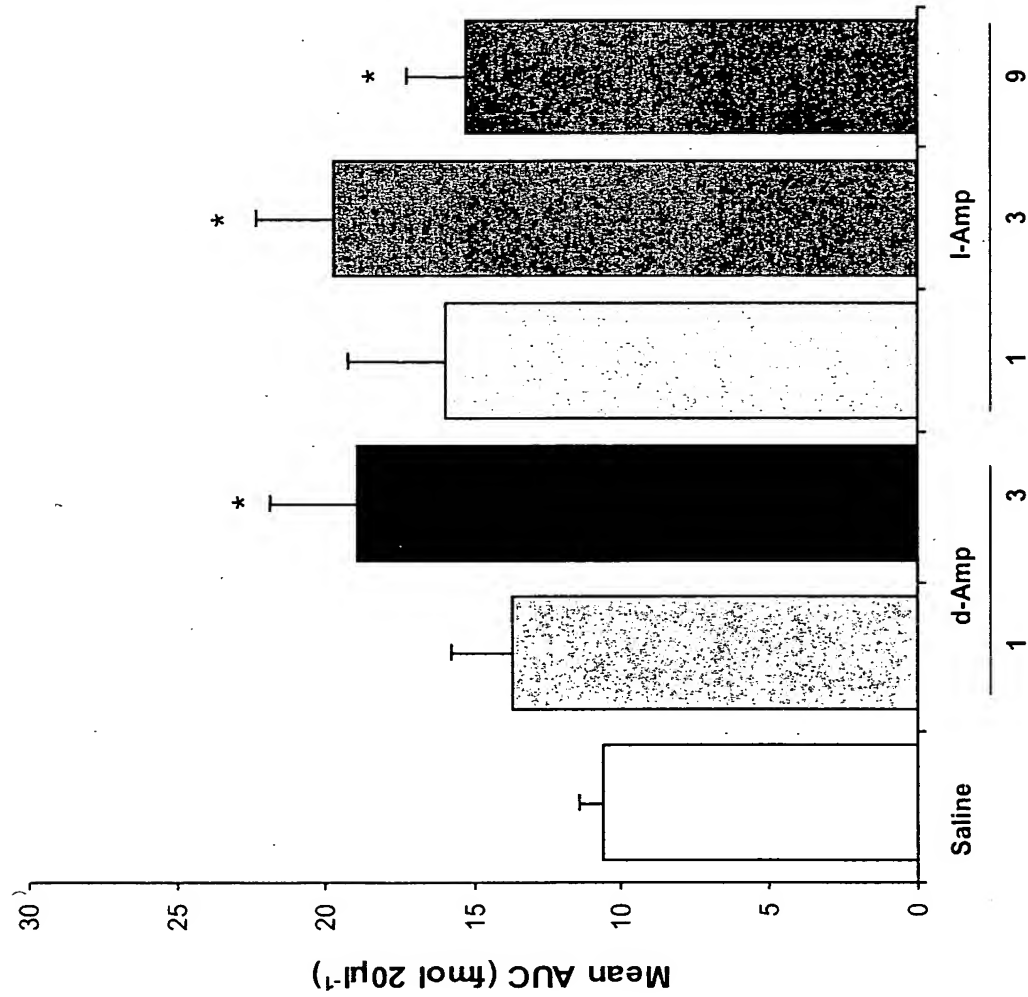
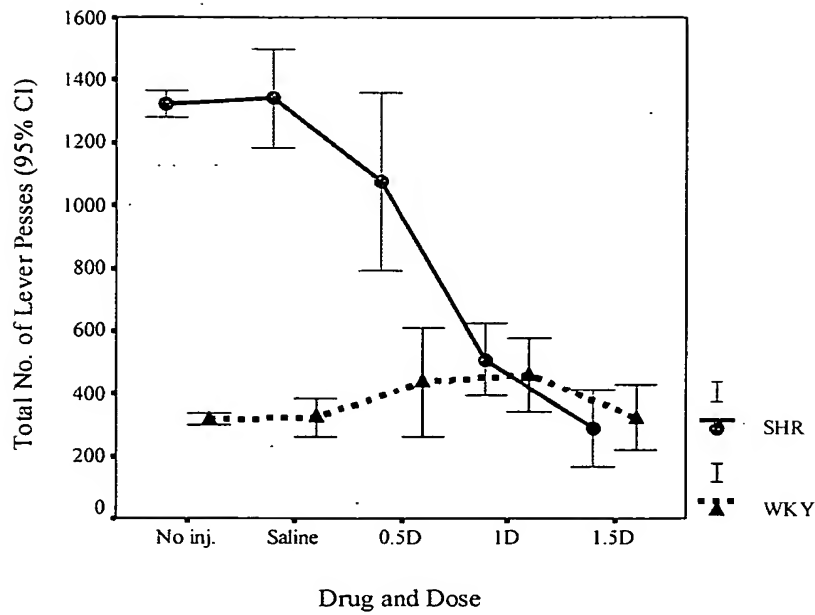
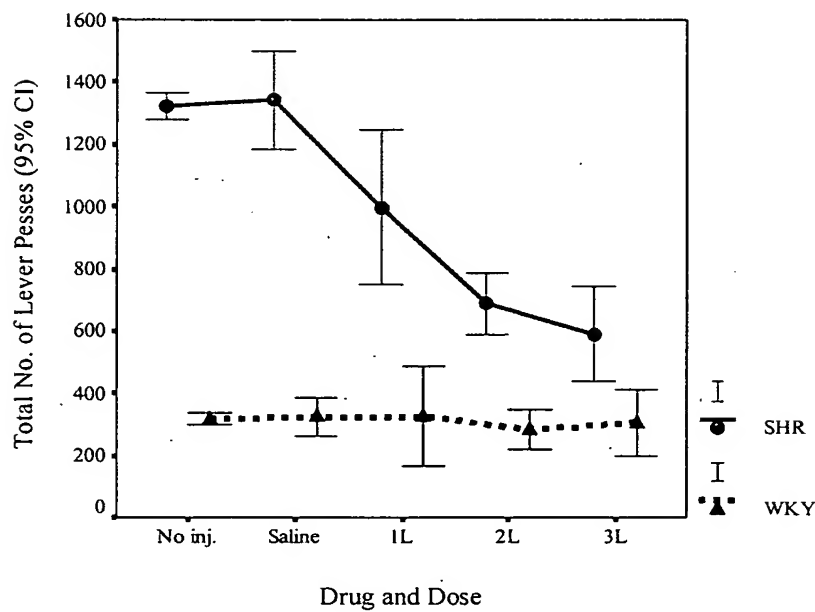


Figure 2. In vivo NA Release From Frontal Cortex Using Microdialysis.
Values are mean \pm S.E.M. (n=6-16). *P<0.05, **P<0.01 vs. saline-treated group

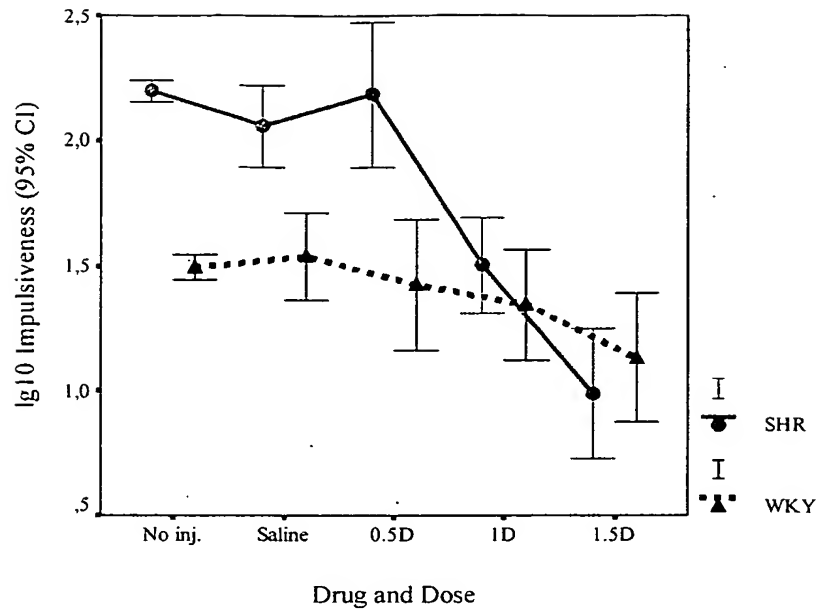


(a)

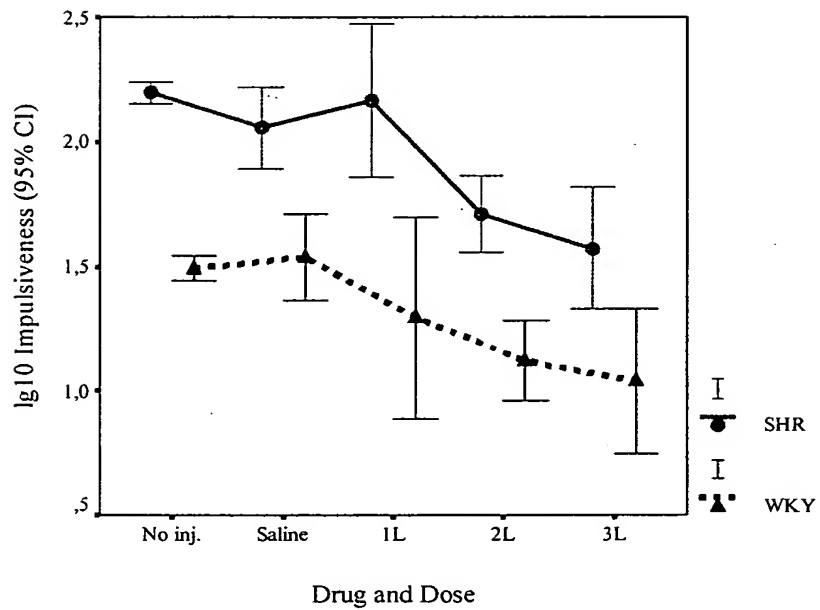


(b)

Figure 3. Effects of d-amphetamine (a) and l-amphetamine (b) on general activity level. \pm SEM.

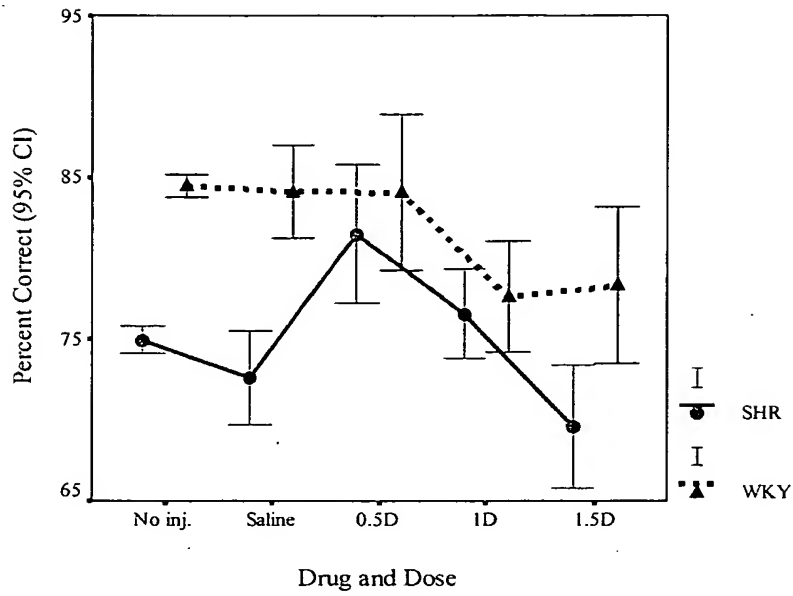


(a)

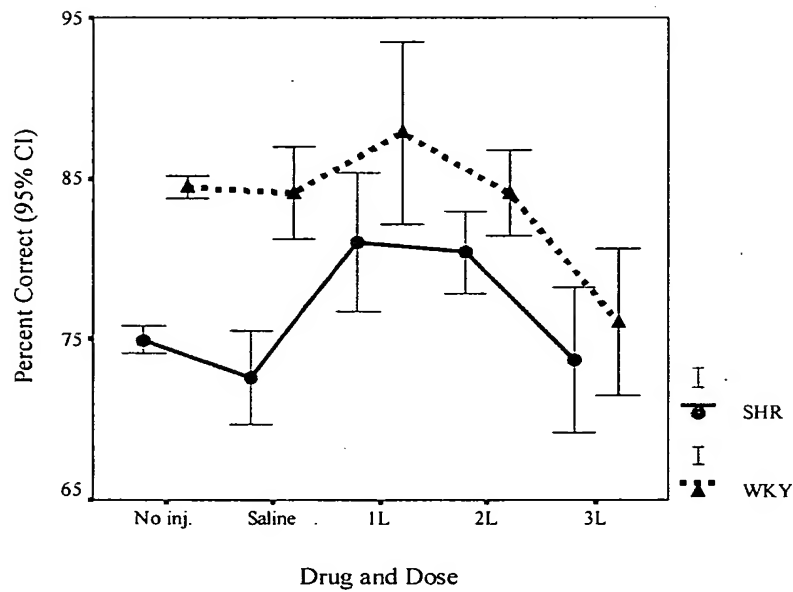


(b)

Figure 4. Effects of d-amphetamine (a) and l-amphetamine (b) on impulsiveness.
± SEM

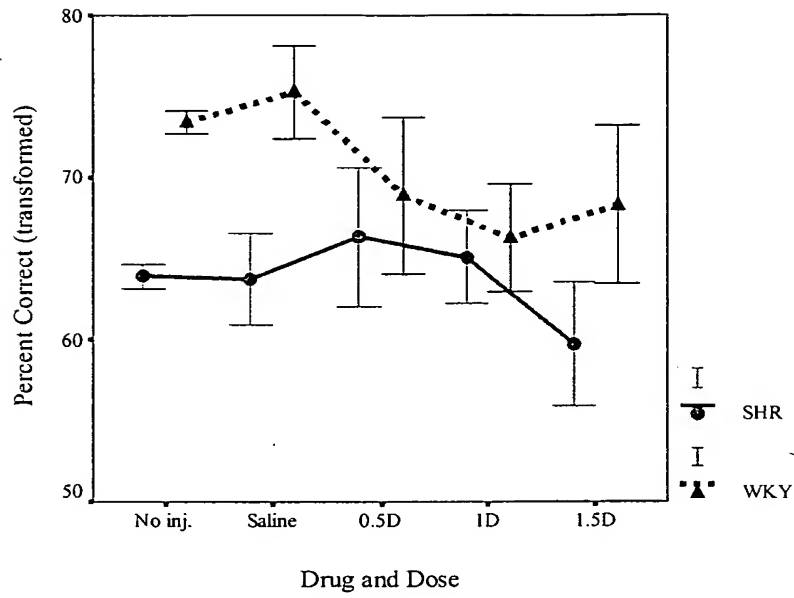


(a)

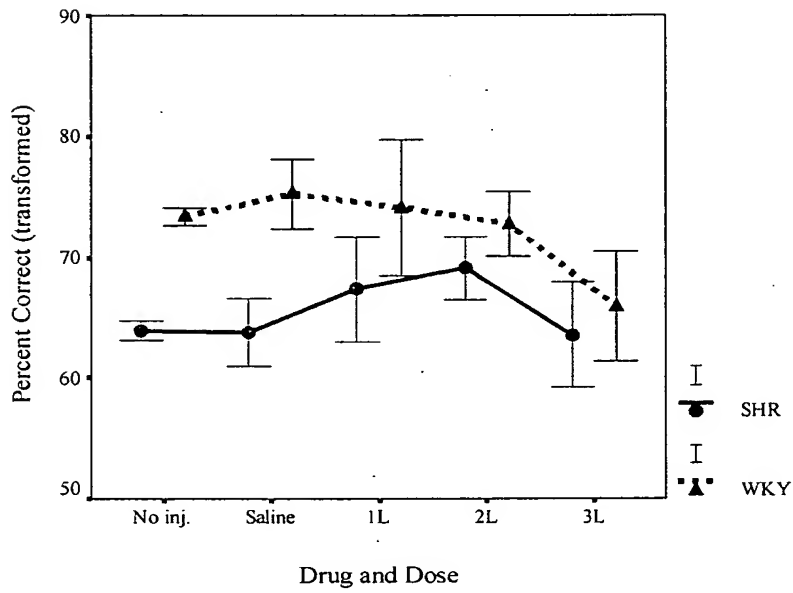


(b)

Figure 5. Effects of d-amphetamine (a) and l-amphetamine (b) on sustained attention. \pm SEM.

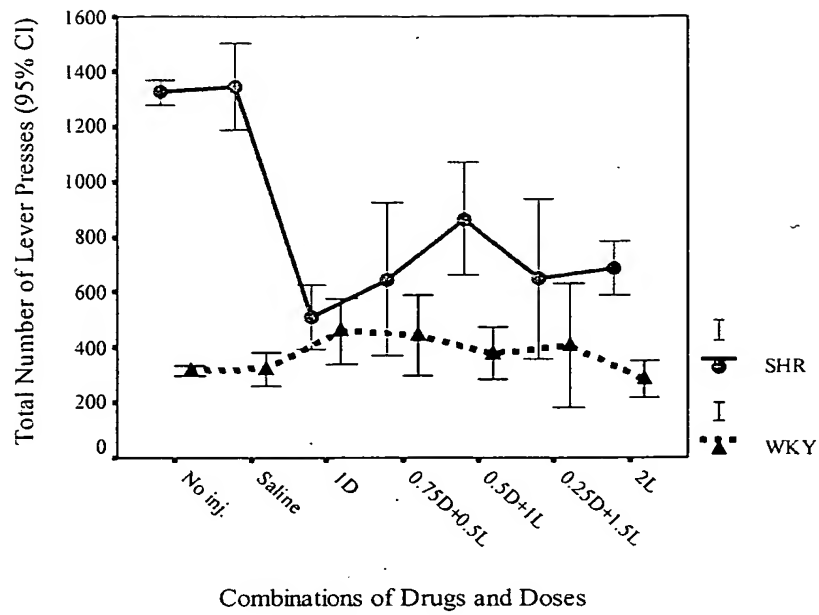


(a)

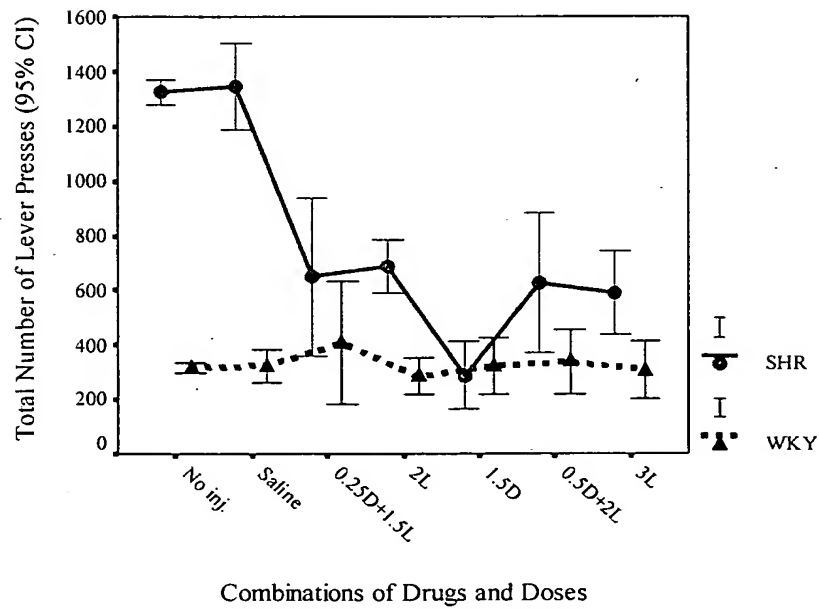


(b)

Figure 6. Effects of d-amphetamine (a) and l-amphetamine (b) on sustained attention following transformation. \pm SEM.

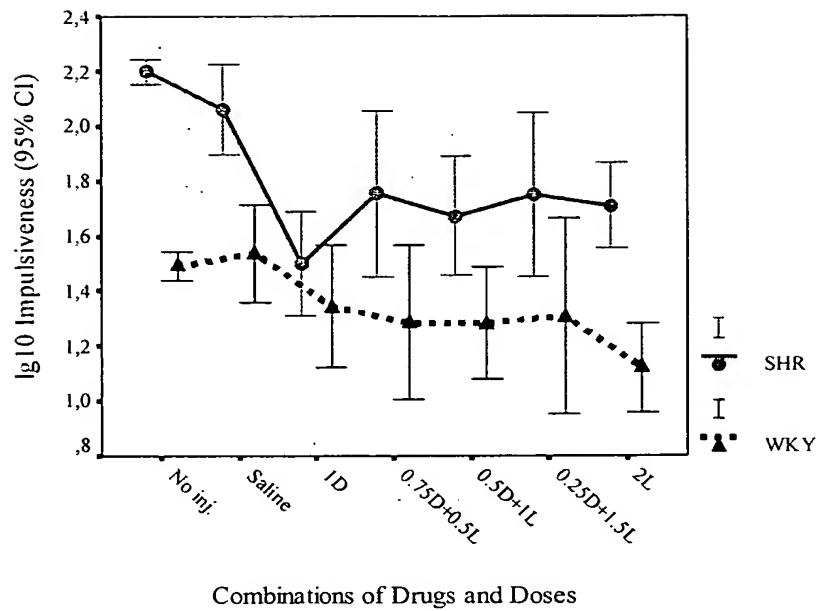


(a)

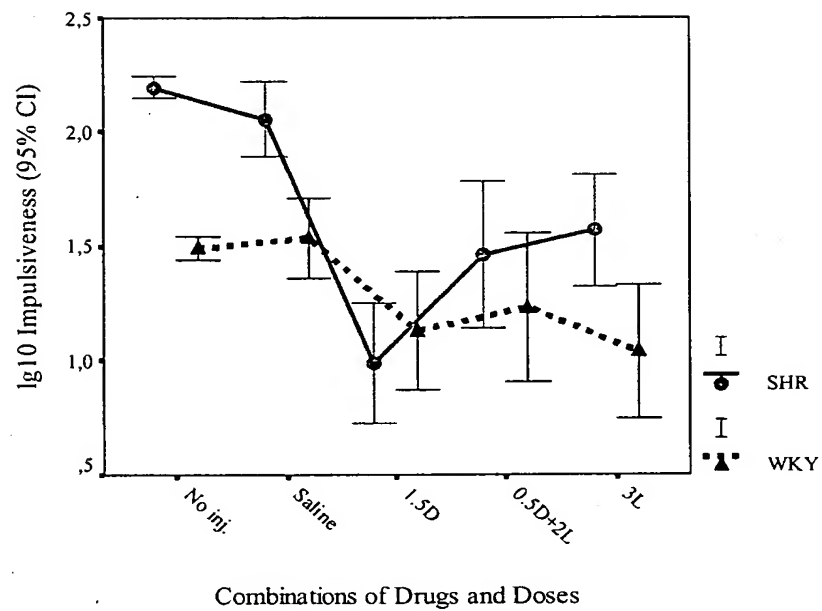


(b)

Figure 7. Effects of d- and l-amphetamine and combinations of d- and l-amphetamine on the general activity level. Low doses (a) and higher doses (b).

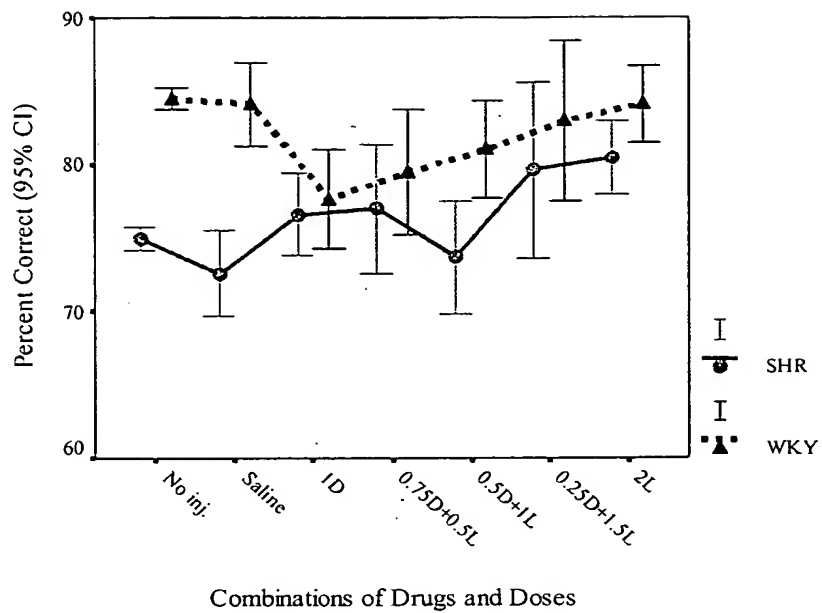


(a)

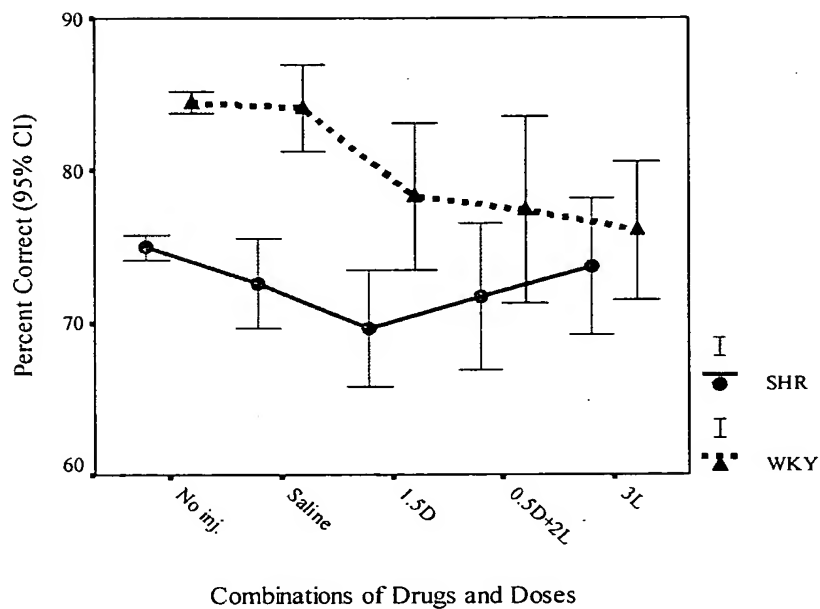


(b)

Figure 8. Effects of d- and l-amphetamine and combination of d- and l-amphetamine on impulsiveness. Low doses (a) and higher doses (b).

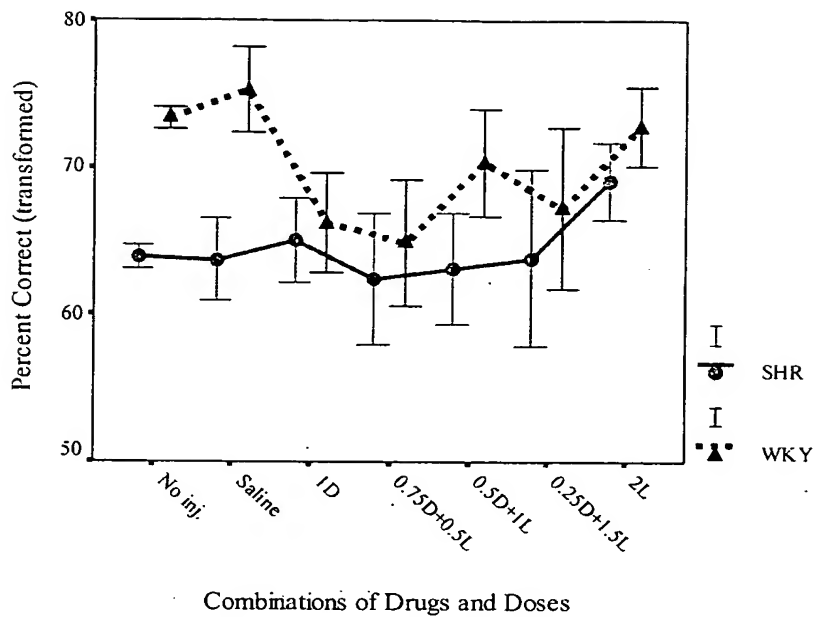


(a)

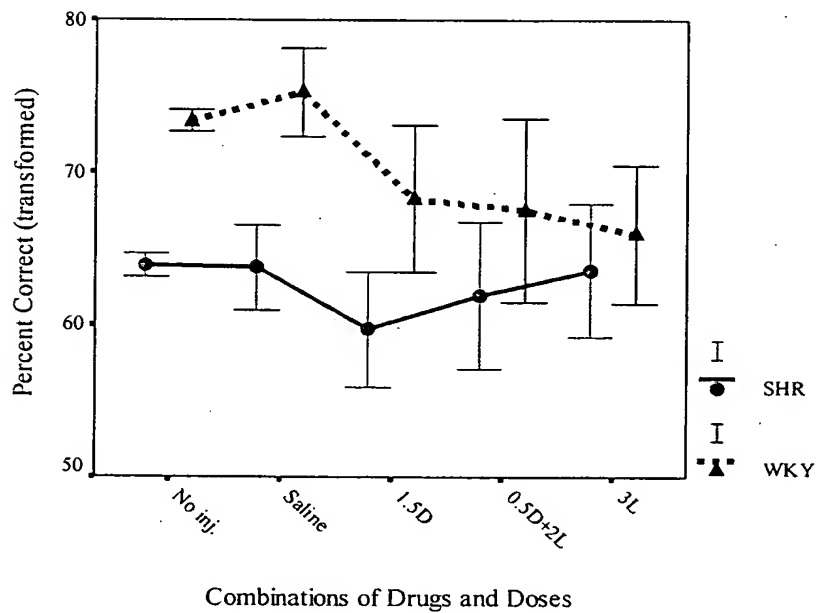


(b)

Figure 9. Effects of d- and l-amphetamine and combination of d- and l-amphetamine on sustained attention. Low doses (a) and higher doses (b).



(a)



(b)

Figure 10. Effects of d- and l-amphetamine and combination of d- and l-amphetamine on sustained attention after transformation. Low doses (a) and higher doses (b).

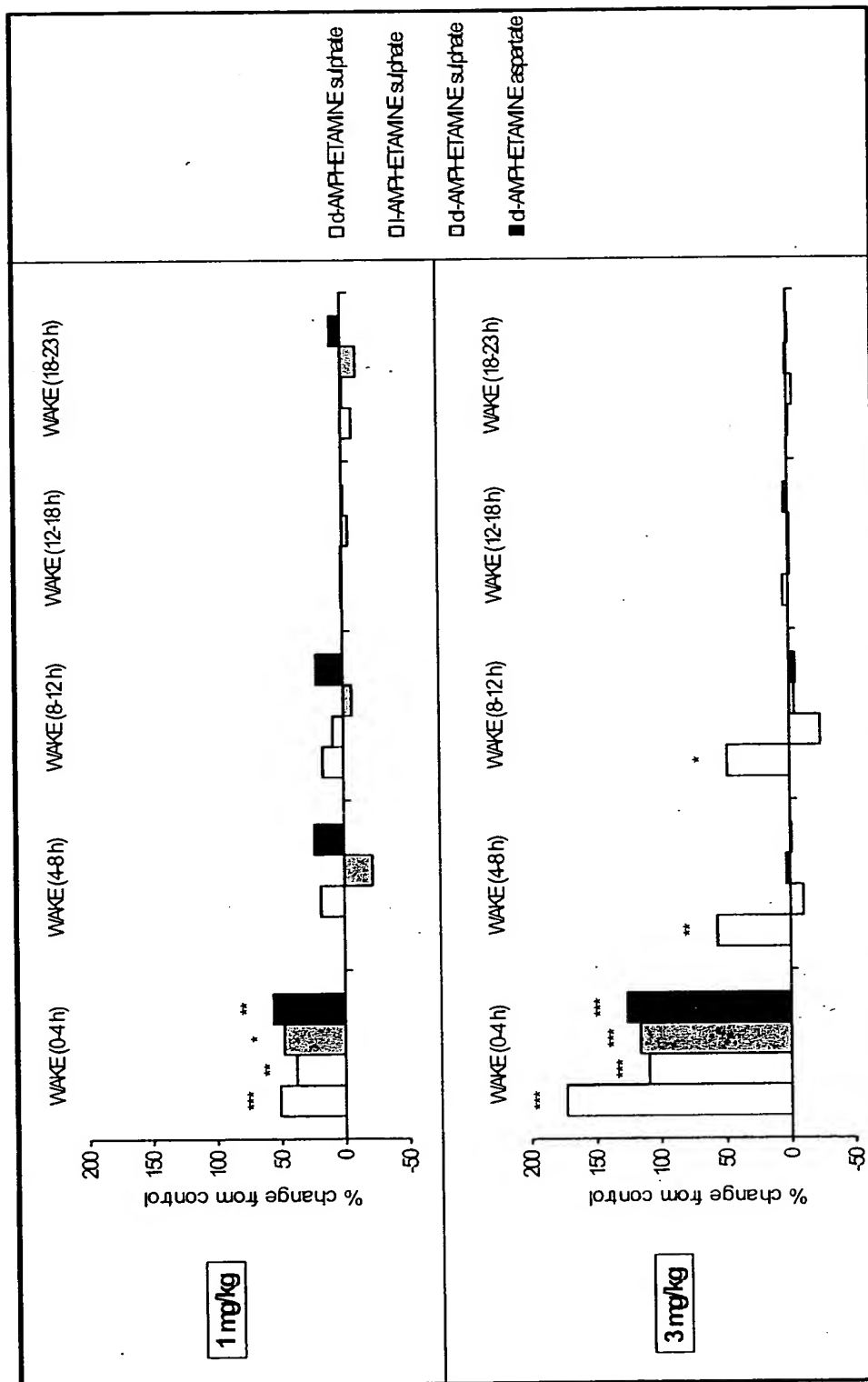


Figure 11. Effects of amphetamines on % wakefulness.
 Values are mean \pm S.E.M. (n=7). * $P<0.05$, ** $P<0.01$, *** $P<0.001$
 Order of bars is the same as the order of listed salts.

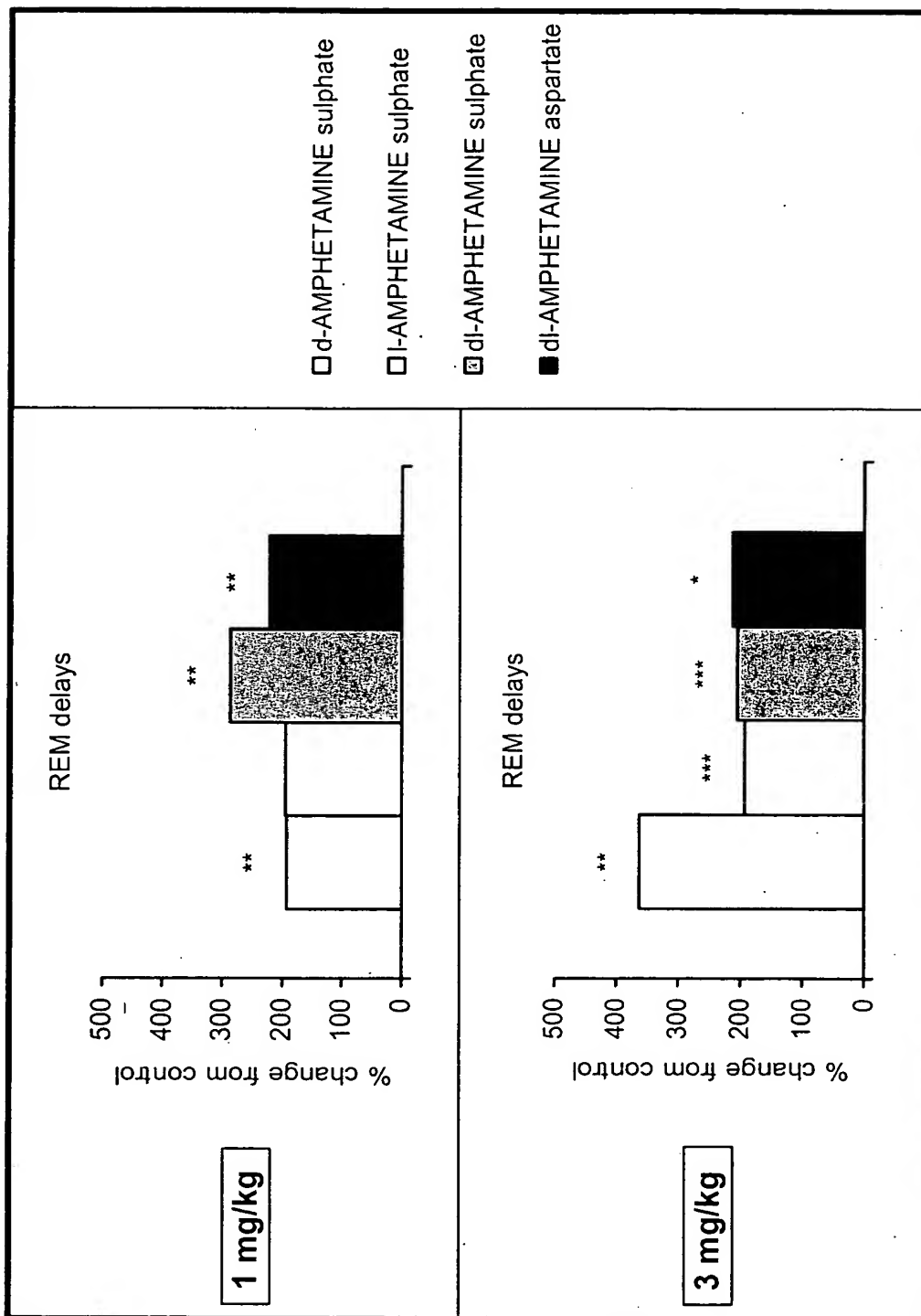


Figure 12. Effects of amphetamines on % delays to Rapid Eye Movement Sleep. Values are mean \pm S.E.M. (n=7). * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$. Order of bars is the same as the order of listed salts.

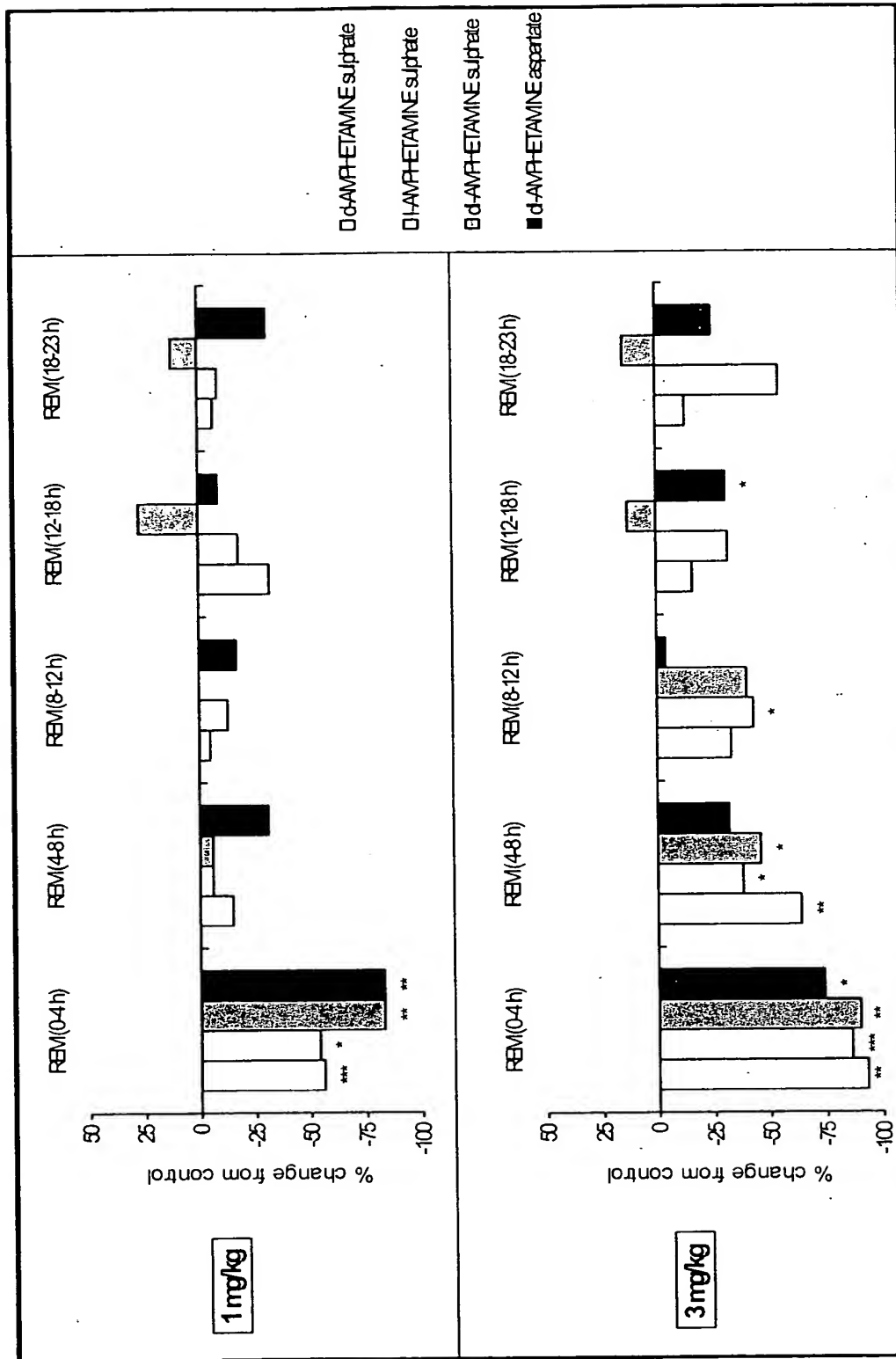


Figure 13. Effects of amphetamines on % of Rapid Eye Movement Sleep. Values are mean \pm S.E.M. (n=7). * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$. Order of bars is the same as the order of listed salts.

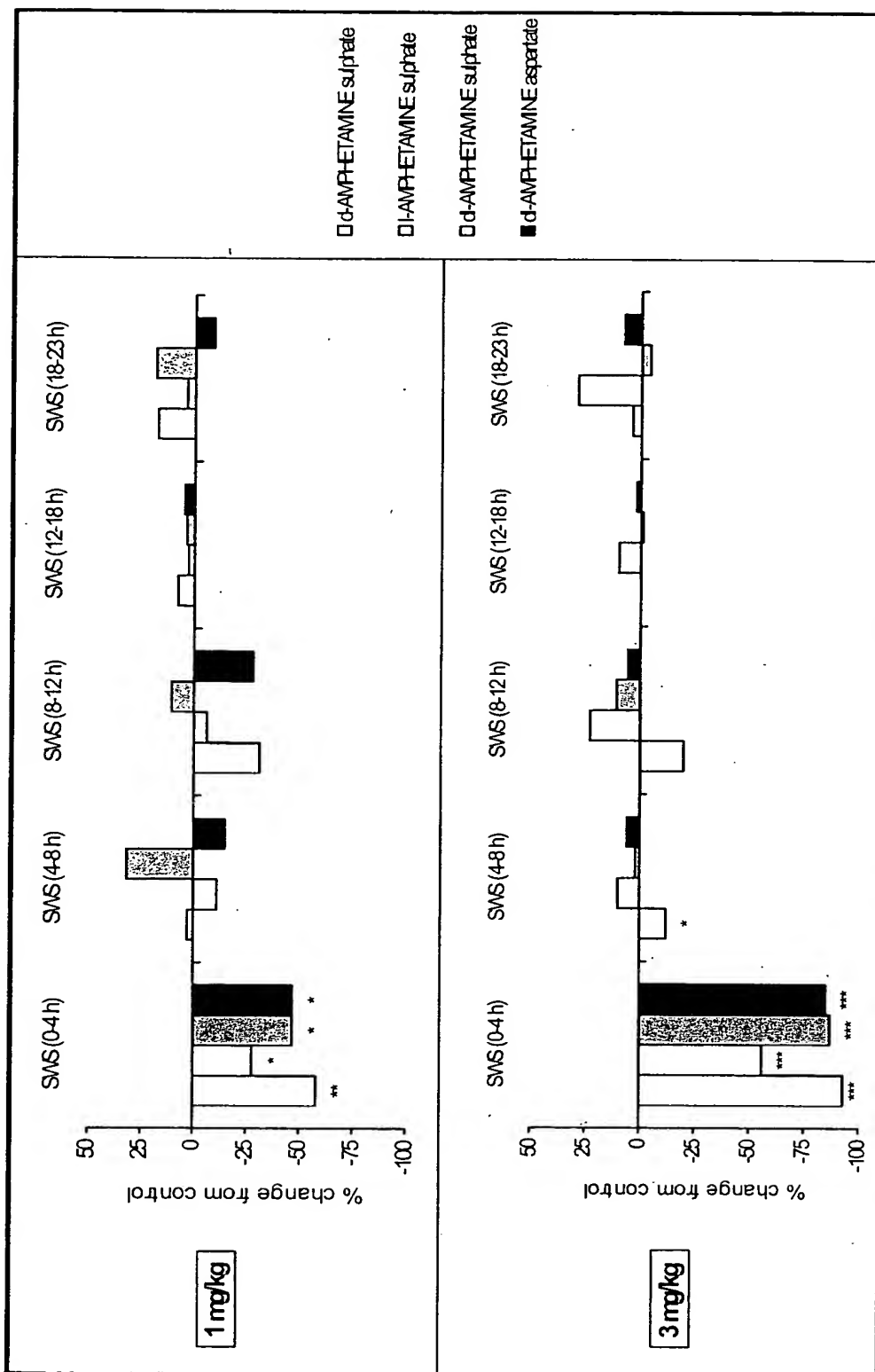
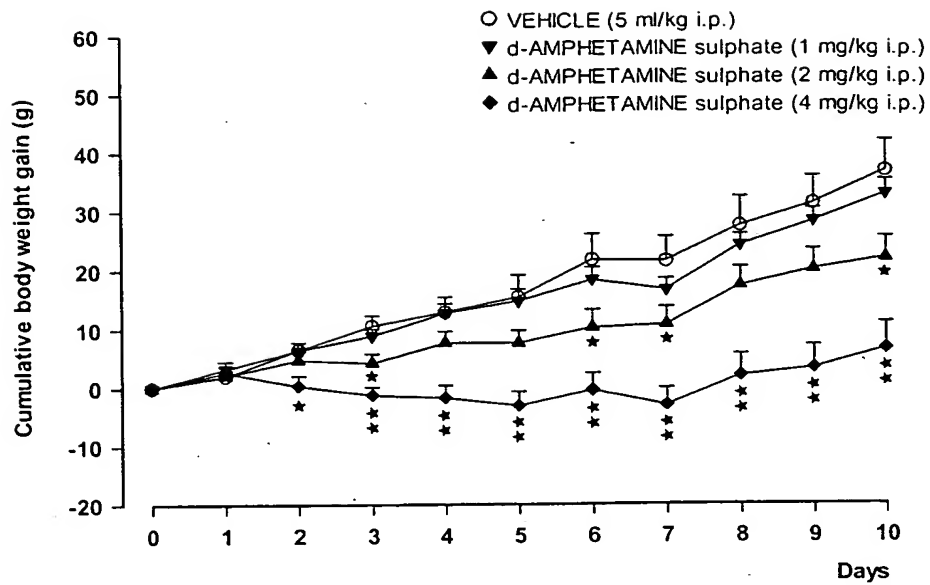
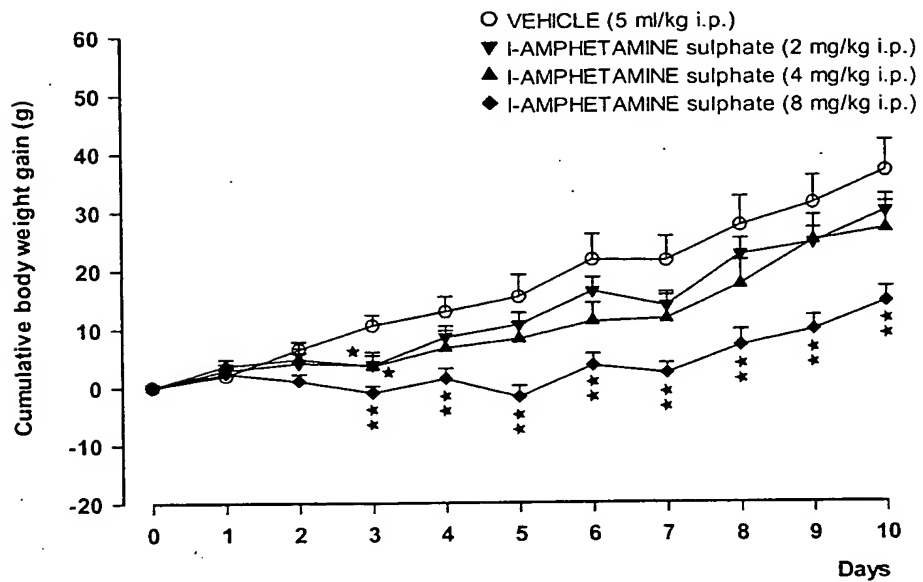


Figure 14. Effects of amphetamines on % delays to Slow Wave Sleep. Values are mean \pm S.E.M. (n=7). * $P<0.05$, ** $P<0.01$, *** $P<0.001$. Order of bars is the same as the order of listed salts.



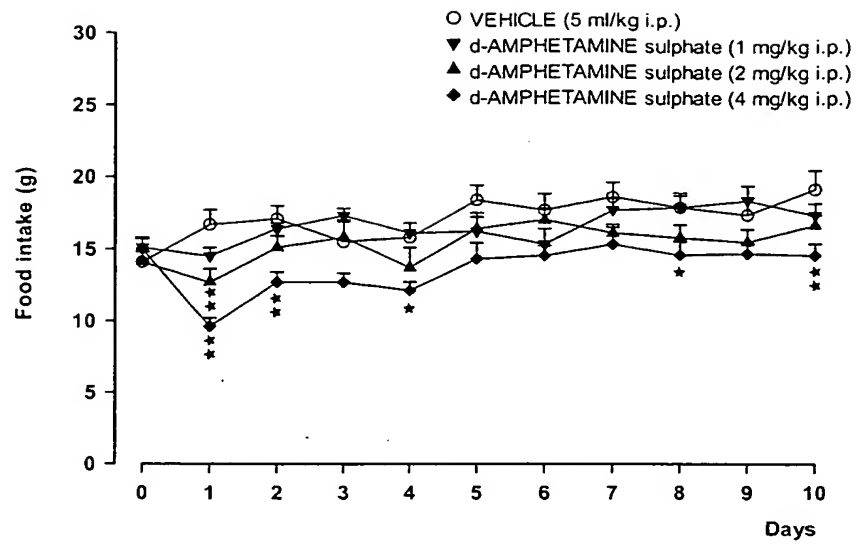
(a)



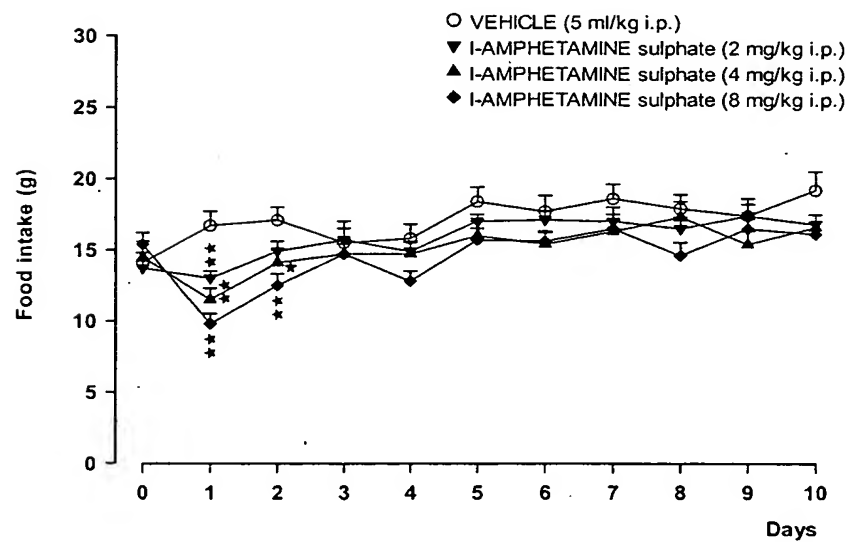
(b)

Figure 15. Effects of d-amphetamine (a) and l-amphetamine (b) at a variety of doses on weight gain.

Values are mean \pm S.E.M. (n=10). *P<0.05, **P<0.01



(a)



(b)

Figure 16. Effects of d-amphetamine (a) and l-amphetamine (b) at a variety of doses on food intake.

Values are mean \pm S.E.M. (n=10). *P<0.05, **P<0.01